

<b>Marked-Up Copy</b> Serial No: <u>New App.</u> Amendment Filed on: <u>02-05-01</u>
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**MARKED-UP COPY**

**IN THE SPECIFICATION**

On page 2 of the specification, substitute the paragraph below for the paragraph on original lines 10 through 17.

--Hydroxycitric acid and derivatives thereof may occur as extracts of natural products containing hydroxycitric acid at high concentrations, such as the extract of the fruits of *Garcinia* (*Garcinia* [cambodia] cambogia, *Garcinia atroviridis*, *Garcinia indica*, *Garcinia citrin*), of the fruits of Malabar Tamarind or Gorikapuli (Lewis Y. L., Neelakantan S., Phyto-chemistry 4, 619, 1965), (Sreenivasan A., Vankataraman R., Current Science 4, 151, 1959) or other extract of natural products containing same.--

On page 13 of the specification, substitute the number 7 entry below for the number 7 entry on original lines 22 through 23.

--7) L-carnitine .....mg 500  
*Garcinia* [cambodia] cambogia extract      mg 500--.

On page 14 of the specification, substitute the numbers 8, 9, 10, 11 and 12 entries below for the numbers 8, 9, 10, 11 and 12 entries on original lines 2 through 15.

--8) Acetyl L-carnitine .....mg 500  
*Garcinia* [cambodia] cambogia extract      mg 500  
 (30% hydroxycitric acid)

9) Propionyl L-carnitine .....mg 500  
*Garcinia* [cambodia] cambogia extract      mg 500  
 (30% hydroxycitric acid)

- 10) Isovaleryl L-carnitine .....mg 500  
 Garcinia [cambodia] cambogia extract      mg 500  
 (30% hydroxycitric acid)
- 11) Valeryl L-carnitine .....mg 500  
 Garcinia [cambodia] cambogia extract      mg 500  
 (30% hydroxycitric acid)
- 12) Butyryl L-carnitine .....mg 500  
 Garcinia [cambodia] cambogia extract      mg 500--.

Replace all the text (paragraphs) on pages 16-20, with the text (paragraphs) on substitute  
 pages 16-20 attached below:

**TABLE I****MEAN DAILY FOOD CONSUMPTION (g) PER ANIMAL**

	Before treatment	After 15 days
Calcium hydroxycitrate (g 1/100 g diet)	19.2 ± 0.65	17.1 ± 0.35
Calcium hydroxycitrate (g 2/100 g diet)	18.8 ± 0.44	15.1 ± 0.46
L-carnitine (g 2/100 g diet)	17.3 ± 0.35	[181.1] <u>18.1</u> ± 0.50
L-carnitine (g 4/100 g diet)	18.4 ± 0.61	17.8 ± 0.41
Acetyl L-carnitine (g 2/100 g diet)	18.6 ± 0.39	18.4 ± 0.44
Acetyl L-carnitine (g 4/100 g diet)	18.2 ± 0.41	18.8 ± 0.57
Propionyl L-carnitine (g 2/100 g diet)	17.7 ± 0.56	17.1 ± 0.38
[Propionyl] <u>Propionyl</u> L-carnitine (g 4/100 g diet)	18.2 ± 0.44	18.5 ± 0.48
Garcinia [cambodia] <u>cambogia</u> (g 4/100 g diet)	17.9 ± 0.34	16.8 ± 0.44
Calcium hydroxycitrate (g 1/100 g diet) + L-carnitine (g 2/100 g diet)	18.9 ± 0.61	14.4 ± 0.50
Calcium hydroxycitrate (g 1/100 g diet) + Acetyl L-carnitine (g 2/100 g diet)	19.1 ± 0.58	14.8 ± 0.64
Calcium hydroxycitrate (g 1/100 g diet) + Propionyl L-carnitine (g 2/100 g diet)	18.4 ± 0.49	13.2 ± 0.53
L-carnitine (g 2/100 g diet) + Garcinia [cambodia] <u>cambogia</u> (g 4/100 g diet)	18.1 ± 4.7	15.9 ± 4.1
Acetyl L-carnitine (g 2/100 g diet) + Garcinia [cambodia] <u>cambogia</u> (g 4/100 g diet)	18.8 ± 3.9	16.2 ± 4.9
Propionyl L-carnitine (g 2/100 g diet) + Garcinia [cambodia] <u>cambogia</u> (g 4/100 g diet)	18.1 ± 4.8	14.4 ± 4.7

**TABLE 2****BODY WEIGHT INCREASE AFTER 15 DAY-TREATMENT**

	Final body weight increase (g)
Controls	62.8 ± 3.5
Calcium hydroxycitrate (g 1/100 g diet)	46.6 ± 4.1
Calcium hydroxycitrate (g 2/100 g diet)	38.9 ± 3.8
L-carnitine (g 2/100 g diet)	66.2 ± 4.9
L-carnitine (g 4/100 g diet)	64.5 ± 5.1
Acetyl L-carnitine (g 2/100 g diet)	60.4 ± 7.1
Acetyl L-carnitine (g 4/100 g diet)	60.1 ± 6.1
Propionyl L-carnitine (g 2/100 g diet)	62.4 ± 3.9
[Propionyl] Propionyl L-carnitine (g 4/100 g diet)	58.7 ± 3.7
Garcinia [cambodia] <u>cambogia</u> (g 4/100 g diet)	51.4 ± 3.3
Calcium hydroxycitrate (g 1/100 g diet) + L-carnitine (g 2/100 g diet)	28.7 ± 4.4
Calcium hydroxycitrate (g 1/100 g diet) + Acetyl L-carnitine (g 2/100 g diet)	31.6 ± 3.9
Calcium hydroxycitrate (g 1/100 g diet) + Propionyl L-carnitine (g 2/100 g diet)	24.4 ± 2.8
L-carnitine (g 2/100 g diet) + Garcinia [cambodia] <u>cambogia</u> (g 4/100 g diet)	38.6 ± 3.1
Acetyl L-carnitine (g 2/100 g diet) + Garcinia [cambodia] <u>cambogia</u> (g 4/100 g diet)	36.8 ± 4.4
Propionyl L-carnitine (g 2/100 g diet) + Garcinia [cambodia] <u>cambogia</u> (g 4/100 g diet)	34.8 ± 6.5

TABLE 3

## SERUM TRIGLYCERIDES AND EPIDIDIMAL FAT AFTER 15 DAY-TREATMENT

	Triglycerides (mg/100 ml)	Epididimal fat (g)
Controls	94.68 ± 6.6	4.65 ± 0.41
Calcium hydroxycitrate (g 1/100 g diet)	76.84 ± 6.9	3.91 ± 0.36
Calcium hydroxycitrate (g 2/100 g diet)	73.66 ± 7.1	3.32 ± 0.9
L-carnitine (g 2/100 g diet)	92.55 ± 7.7	4.21 ± 4.1
L-carnitine (g 4/100 g diet)	90.44 ± 6.8	4.34 ± 2.9
Acetyl L-carnitine (g 2/100 g diet)	95.81 ± 8.2	4.19 ± 4.4
Acetyl L-carnitine (g 4/100 g diet)	90.8 ± 7.5	4.15 ± 3.5
Propionyl L-carnitine (g 2/100 g diet)	88.4 ± 8.16	4.19 ± 4.4
[Propionyl] Propionyl L-carnitine (g 4/100 g diet)	82.7 ± 6.6	4.0 ± 5.6
Garcinia [cambodia] cambogia (g 4/100 g diet)	80.4 ± 7.3	3.85 ± 3.5
Calcium hydroxycitrate (g 1/100 g diet) + L-carnitine (g 2/100 g diet)	71.5 ± 6.7	3.25 ± 2.9
Calcium hydroxycitrate (g 1/100 g diet) + Acetyl L-carnitine (g 2/100 g diet)	68.2 ± 5.5	3.0 ± 2.7
Calcium hydroxycitrate (g 1/100 g diet) + Propionyl L-carnitine (g 2/100 g diet)	60.5 ± 7.4	2.25 ± 2.2
L-carnitine (g 2/100 g diet) + Garcinia [cambodia] cambogia (g 4/100 g diet)	75.4 ± 3.1	3.50 ± 3.1
Acetyl L-carnitine (g 2/100 g diet) + Garcinia [cambodia] cambogia (g 4/100 g diet)	72.3 ± 4.4	3.25 ± 4.3
Propionyl L-carnitine (g 2/100 g diet) + Garcinia [cambodia] cambogia (g 4/100 g diet)	70.3 ± 5.6	2.95 ± 3.8

TABLE 4

**TEST ON EXPERIMENTALLY-INDUCED HYPERTRIGYCERIDAEMIA  
(mg/100 ml)**

Controls	195.8 ± 9.8
Calcium hydroxycitrate (g 0.5/Kg)	170.6 ± 8.5
Calcium hydroxycitrate (g 1/Kg)	145.5 ± 8.5
L-carnitine (g 0.5/Kg)	190.4 ± 9.6
L-carnitine (g 1/Kg)	190.8 ± 8.6
Acetyl L-carnitine (g 0.5/Kg)	191.2 ± 9.1
Acetyl L-carnitine (g 1/Kg)	188.4 ± 5.5
Propionyl L-carnitine (g 0.5/Kg)	184.2 ± 6.8
[Propionyl] <u>Propionyl</u> L-carnitine (g 1/Kg)	180.4 ± 7.9
Garcinia [cambodia] <u>cambogia</u> (g 0.5/Kg)	170.6 ± 5.4
Calcium hydroxycitrate (g 0.5/Kg) + L-carnitine (g 0.5/Kg)	125.8 ± 9.1
Calcium hydroxycitrate (g 0.5/Kg) + Acetyl L-carnitine (g 0.5/Kg)	120.4 ± 8.8
Calcium hydroxycitrate (g 0.5/Kg) + Propionyl L-carnitine (g 0.5/Kg)	108 ± 9.4
L-carnitine (g 0.5/Kg) + Garcinia [cambodia] <u>cambogia</u> (g 0.5/Kg)	145.4 ± 8.6
Acetyl L-carnitine (g 0.5/Kg) + Garcinia [cambodia] <u>cambogia</u> (g 0.5/Kg)	140.4 ± 7.4
Propionyl L-carnitine (g 0.5/Kg) + Garcinia [cambodia] <u>cambogia</u> (g 0.5/Kg)	125 ± 8.5

TABLE 5

**TESTS ON EXPERIMENTALLY-INDUCED HYPERCHOLESTEROLEMIA  
(TOTAL CHOLESTEROL mg/dl)**

Controls	92.5 ± 4.4
Hypercholesterolemic controls	270.5 ± 10.4
Calcium hydroxycitrate (g 1/100 g diet)	196.6 ± 9.6
Calcium hydroxycitrate (g 2/100 g diet)	180.5 ± 8.1
L-carnitine (g 2/100 g diet)	270.4 ± 5.1
L-carnitine (g 4/100 g diet)	260.6 ± 4.4
Acetyl L-carnitine (g 2/100 g diet)	266.7 ± 7.7
Acetyl L-carnitine (g 4/100 g diet)	255.4 ± 9.4
Propionyl L-carnitine (g 2/100 g diet)	250.6 ± 10.1
[Poprionyl] <del>Propionyl</del> L-carnitine (g 4/100 g diet)	235.3 ± 9.6
Garcinia [cambodia] <del>cambogia</del> (g 4/100 g diet)	250.7 ± 4.7
Calcium hydroxycitrate (g 1/100 g diet) + L-carnitine (g 2/100 g diet)	155.8 ± 8.8
Calcium hydroxycitrate (g 1/100 g diet) + Acetyl L-carnitine (g 2/100 g diet)	150.5 ± 7.1
Calcium hydroxycitrate (g 1/100 g diet) + Propionyl L-carnitine (g 2/100 g diet)	110.6 ± 6.6
L-carnitine (g 2/100 g diet) + Garcinia [cambodia] <del>cambogia</del> (g 4/100 g diet)	179.6 ± 9.6
Acetyl L-carnitine (g 2/100 g diet) + Garcinia [cambodia] <del>cambogia</del> (g 4/100 g diet)	165.9 ± 8.9
Propionyl L-carnitine (g 2/100 g diet) + Garcinia [cambodia] <del>cambogia</del> (g 4/100 g diet)	55.5 ± 6.8